Claims

1. A method for detecting faults in the case of reconfigurable terminals and/or for supporting reconfiguration decisions

wherein network elements (RNCA, RNCB) having an agent platform are supplied directly or via at least one agent proxy (APX) with agents (A1, A2, A3) by agent providers (AP1, AP2, and AP3), with the agent platform authorizing itself with the respective agent provider, the agent platform allowing the agent provider to set up an agent having specific access rights, and communication between the agent platform and agent provider being encrypted,

wherein the agents have protected storage areas and receive raw information for evaluating fault incidents and/or optimizing reconfiguration decisions from the respective network element over defined interfaces of the agent platform, and

wherein said raw information is processed inside the respective agent and decision information for evaluating fault incidents and/or optimizing reconfiguration decisions is formed therefrom and made available to the network element or, as the case may be, network operator and/or agent provider or, as the case may be, terminal manufacturer over the defined interface.

2. The method as claimed in claim 1
wherein the network elements transfer raw information about operational faults of the respective terminal to a terminal manufacturer's respective agent over the defined interfaces of the agent platform and the agent, when requested by the agent provider, supplies decision information formed on the basis of said raw information to the agent provider.

3. The method as claimed in claim 2
wherein the decision information contains information about occurring infringements of a network protocol and/or radio standard.

4. The method as claimed in claim 1
wherein decisions about optimal reconfiguring are partially relocated by network elements to manufacturer-specific agents which, using the raw information made available to them and the manufacturer-specific data, accessible only to the device manufacturer, concerning the respective terminal, produce decision information for the network element.

5. The method as claimed in claim 4
wherein the manufacturer-specific data includes the relevant terminal's energy consumption in specific radio modes, and/or the duration of reconfiguring, and/or the transceiver's precise characteristics.

6. Network element (RNCA, RNCB) for mobile-radio networks
- wherein an agent platform is provided in such a way that the network element can be supplied directly or via at least one agent proxy (APX) with agents (A1, A2, A3) by agent providers (AP1, AP2, and AP3), with the agent platform authorizing itself with the respective agent provider, the agent platform allowing the agent provider to set up an agent having specific access rights, and communication between the agent platform and agent provider being encrypted,

- wherein defined interfaces of the agent platform are present in such a way that raw information for evaluating fault incidents and/or optimizing reconfiguration decisions can be transferred to an agent and that decision information can be transferred to the network element and/or agent provider, and

- wherein the agents have protected storage areas.

7. Agent for mobile-radio networks having reconfigurable terminals that is embodied in such a way
- that it can be directed directly or via at least one agent proxy (APX) by an agent provider (AP1, AP2, and AP3) to an agent platform of a respective terminal, that is has protected storage areas, and encrypted communication can take place with the terminal and/or agent provider,

- that it receives raw information for evaluating fault incidents and/or optimizing reconfiguration decisions from the respective network element over defined interfaces of the agent platform, and

- that it processes said raw information inside the respective agent and forms decision information therefrom for evaluating fault incidents and/or optimizing reconfiguration decisions and said decision information can be transferred to the network element or, as the case may be, network operator and/or agent provider or, as the case may be, terminal manufacturer over the defined interface.